

1. Schield, Milo (1994). [Random Sampling versus Representative Samples](#). ASA JSM
2. Schield, Milo (1995a). [Sampling Distributions of Statistics](#). Minitab Research 1/11
3. Schield, Milo (1995b). [Statistics \(Inference\) Goals](#). Research
4. Schield, Milo (1995c). [Correlation, Determination and Causation in Introductory Statistics](#). ASA JSM
5. Schield, Milo (1996a). [The Goal of Introductory Statistics: Reasoning About Data](#). MSMESB
6. Schield, Milo (1996b). [Using Bayesian Inference in Classical Hypothesis Testing](#). ASA JSM
7. Schield, Milo (1997a). [Median Overlap](#). Research
8. Schield, Milo (1997b). [Statistical Literacy: A Quantitative Literacy Proposal](#). Augsburg.
9. Schield, Milo (1997c). [Interpreting Statistical Confidence](#). ASA JSM
10. Schield, Milo (1998a). [Using Bayesian Strength of Belief to Teach Classical Statistics](#). ICOTS-5
11. Schield, Milo (1998b). [Evidential Statistics](#). MSMESB
12. Schield, Milo (1998c). [Statistical Literacy and Evidential Statistics](#). ASA JSM
13. Schield, Milo (1999a). [Statistical Literacy: Thinking Critically About Statistics](#). *Of Significance*
14. Schield, Milo (1999b). [Common Errors in Forming Arithmetic Comparisons](#), APDU: *Of Significance*
15. Schield, Milo (1999c). [ASA Ethics Committee Guidelines: Comments & Recommendations](#). JSM
16. Schield, Milo (1999d). [Simpson's Paradox and Cornfield's Conditions](#). ASA JSM
17. Schield, Milo (2000a). [Statistical Literacy and Mathematical Thinking](#). ICME-9 Tokyo
18. Schield, Milo (2000b). [Statistical Literacy: Difficulty Describing & Comparing Rates & Percentages](#). ASA JSM.
19. Schield, Milo (2001a). [Describing Rates and Percentages in Tables](#). Business of Communication, WI
20. Schield, Milo (2001b). [Statistical Literacy: Reading Tables of Rates and Percentages](#). ASA JSM
21. Schield, Milo (2002). [Three Kinds of Statistical Literacy](#). ICOTS-6 Cape Town, South Africa.
22. Schield, Milo and Thomas Burnham (2002). [Algebraic Relations between Relative Risk, Phi and Measures of Necessity and Sufficiency in 2x2 Tables](#). ASA JSM
23. Schield, Milo (2003). [Statistical Literacy: Seeing How Statistical Significance is Contextual](#). Technical Report, Czech Republic.
24. Schield, Milo and Thomas Burnham (2003). [Confounder-induced Spuriousity and Reversal: Algebraic Conditions for Binary Data Using a Non-Interactive Model](#). ASA JSM.
25. Schield, Milo and Thomas Burnham (2004). [Confounder Resistance and Confounder Intervals for a Binary Confounder](#). ASA JSM.
26. Schield, Milo (2004a). [Statistical Literacy and Liberal Education at Augsburg College](#). AAC&U *Peer Review*
27. Schield, Milo (2004b). [Statistical Literacy Curriculum Design](#). IASE Curricular Development in Statistics. Statistics Education Roundtable, Sweden.
28. Schield, Milo (2004c). [Three Graphs to Promote Statistical Literacy](#). ICME-10 Copenhagen.
29. Terwilliger, Jim and Milo Schield (2004). [Frequency of Simpson's Paradox in NAEP Data](#). AERA.

30. Burnham, Tom and Milo Schield (2005). [An Online Grammar-parsing Program That Decodes Ordinary English Descriptions and Comparisons of Percentages and Rates](#). ASA JSM.
31. Schield, Milo (2005a). [Information Literacy, Statistical Literacy and Data Literacy](#). *IQ (IASSIST Quarterly)*, Dated 2004; published in 2005.
32. Schield, Milo (2005b). [Statistical Literacy: An Evangelical Calling for Statistical Educators](#). ISI AU.
33. Schield, Milo (2005c). [Statistical Prevarication: Telling Half Truths Using Statistics](#). IASE Sydney
34. Schield, Milo (2005d). [Statistical Literacy and Chance](#). ASA JSM
35. Schield, Milo (2005e). [Quantity Words Without Numbers: Why Students use "Many"](#). QR Conference at Carleton College.
36. Schield, Milo and Thomas Burnham (2006). [Binary Confounders as Mathematical Objects: Confounder Influence and Confounder Intervals](#). MAA (Draft).
37. Burnham, Thomas and Milo Schield (2006). [Introduction to an Online Ratio Statement Validator](#)., IASSIST Workshop, University of Michigan.
38. Schield, Milo (2006a). [Using a web-based Learning Object](#), IASSIST Workshop, Univ. of Michigan.
39. Schield, Milo (2006b). [Statistical Literacy Survey Results](#), IASSIST.
40. Schield, Milo (2006c). [Statistical Literacy Survey Analysis: Reading Tables and Graphs of Rates and Percentages](#). ICOTS-7 Brazil.
41. Schield, Milo (2006d). [Percentage Graphs in USA Today Snapshots Online](#), ASA JSM.
42. Schield, Milo (2006e). [Understanding Confounding from Lurking Variables using Graphs](#). ASA *STATS Magazine*.
43. Schield, Milo (2007a). [Teaching the Social Construction of Statistics](#). Midwest Sociological Society.
44. Schield, Milo (2007b). [Statistical Literacy: Factual Assessment to Support Hypothetical Thinking](#), 2007 IASE, Guimarães, Portugal.
45. Schield, Milo and Cynthia Schield (2007). [Numbers in the News: A Survey](#). ASA JSM.
46. Schield, Milo and Thomas Burnham (2007). [Grammar of Statements Involving "Chance"](#). ASA JSM
47. Schield, M (2008a). [Analyzing Numbers in the News: Critical-Thinking Structured Approach](#). NNN.
48. Schield, Milo (2008b). [Quantitative Literacy and School Mathematics: Percentages and Fractions, Calculation vs. Context: Quantitative Literacy And Its Implications for Teacher Education](#). MAA.
49. Schield, Milo (2008c). [Statistical Literacy Skills Survey](#). Project Kaleidoscope & QUIRK. Carleton.
50. Raymond, Robert and Milo Schield (2008). [Numbers in the News: A Survey](#). ASA JSM.
51. Schield, M. & Tom. Burnham (2008). [Von Mises' Frequentist Approach to Probability](#), ASA JSM.
52. Schield, M. & Cynthia Schield (2008). [Student Attitudes toward Statistics at Augsburg College](#). JSM
53. Schield, Milo (2009a). [Numeracy: Assessing Basic Skills and Knowledge](#). MAA JMM.
54. Schield, Milo (2009b). [Confound Those Speculative Statistics](#). ASA JSM.
55. Schield, Milo and Robert Raymond (2009). [Distinguishing Association from Causation in Media Headlines](#). ASA JSM.
56. Schield, M. (2010a). [Quantitative Graduation Requirements at US Four-Year Colleges](#). MAA JMM.

57. Schield, Milo (2010b). [Assessing Statistical Literacy: TAKE CARE in Assessment Methods in Statistical Education: An International Perspective](#). Edited by Bidgood, Hunt and Joliffe. [Excerpts](#)
58. Schield, Milo (2010c) [Association-Causation Problems in News Stories](#). ICOTS-8) Ljubljana.
59. Schield, Milo (2010d). [The Social Construction of Ranks](#). ASA JSM.
60. Schield, Milo (2011a) [Teaching Statistical Literacy using Odyssey2Sense™: a Unique Web-Based Forum](#). MAA JMM.
61. Schield, Milo (2011b). [Discussion](#) of "Towards more accessible conceptions of statistical inference" by C. Wild, M. Pfannkuch, M. Regan and N. Horton paper by Wild et al.
62. Schield, Milo (2011c). [Statistical Literacy: A New Mission for Data Producers](#). *Statistical Journal of the International Association of Official Statistics*. Edited by N. Davies and J. Ridgway.
63. Schield, Milo (2011d) [Describing Arithmetic Relations Using Informal Grammar](#). ASA JSM.
64. Schield, Milo (2011e). [All Statistics are Socially Constructed](#). IASE. Malahide, Ireland.
65. Schield, Milo (2011f). [Epidemiological Models and Spotty Statistics](#). ISI, Dublin.
66. Schield, Milo (2011g). [Teaching Teachers Statistical Literacy Online](#). NNN Appalachian State College
67. Schield, Milo (2012a). [Coincidence in Runs and Clusters](#). MAA JMM.
68. Schield, Milo (2012b). [How Causal Heterogeneity Influences Statistical Significance in Clinical Trials](#). JSM
69. Schield, Milo (2013a). [Reinventing Business Statistics: Statistical Literacy for Managers](#). MBAA
70. Schield, Milo (2013b). [Statistics Education: Steadfast or Stubborn?](#) ASA JSM Proceedings Stat Ed.
71. Schield, Milo (2014a). [Two Big Ideas for Teaching Big Data: Coincidence and Confounding](#). ECOTS
72. Schield, Milo (2014b). [Odyssey: A Journey to Lifelong Statistical Literacy](#). ICOTS-9 Flagstaff, AZ.
73. Schield, Milo (2015a). [What is Wrong with THE Introductory Statistics Course?](#) USCOTS.
74. Schield, Milo (2015b). [Statistical Inference for Managers](#). ASA JSM Proceedings Statistical Education.
75. Schield, Milo (2016) [Stat 102: Social Statistics for Decision Makers](#). Invited IASE Roundtable Berlin
76. Schield, Milo (2016b) [Augsburg Students Evaluations of STAT 102](#). ASA JSM Proceedings Stat Ed.
77. Schield, Milo (2017) [GAISE 2016 Promotes Statistical Literacy](#). Invited Essay. SERJ
78. Schield, Milo (2017b) [Teaching Logistic Regression using Ordinary Least Squares in Excel](#). ASA
79. Schield, Milo (2018a) [Confounding and Cornfield: Back to the Future](#). ICOTS 10. Kyoto, Japan
80. Schield, Milo (2018b) [Statistical Literacy and the Lognormal Distribution](#). ASA JSM Vancouver
81. Schield, Milo (2019) [Statistical Literacy: A Study in Confounding](#). ASA JSM Denver
82. Schield, Milo (2020a) [Controlling for Context by Standardizing](#). ECOTS
83. Schield, Milo (2020b) [Comments on Burrill's IASE paper](#). IASE Roundtable July 10
84. Schield, Milo (2020c) [Statistical Literacy: Scanlan's Paradox](#), ASA JSM Online
85. Schield, Milo (2020d) [Call for Research on Using Ordinary English to Describe and Compare Ratios](#).

86. Schild, Milo (2021a) [Statistical Literacy: Teaching Confounding](#) USCOTS Invited Workshop
87. Schild, Milo (2021b) [Statistical Literacy for Policymakers](#), ISI Invited session Online 7/16
88. Schild, Milo (2021c) [Statistical Literacy: Diabolical Denominator](#), MathFest Online 8/04
89. Schild, Milo (2021d) [Statistical Literacy Approved for General Education at UNM](#), JSM Online 8/11
90. Schild, Milo (2021e) [Simpson's Paradox and Covid Deaths](#), ASA JSM BOF Online 8/12 [1 page](#)
91. Schild, Milo (2021f) [Offering Statistical Literacy: Administrators, Departments and Teachers](#).
92. Isaacson, Marc and Milo Schild (2021). *Facts on File: Guide to Data Literacy*. InfoBase Publishing.
93. Schild, Milo (2022a) [Introducing Statistical Literacy: A Lesson Plan](#) ECOTS Activity 5/24
94. Schild, Milo (2022b) [Teaching Statistical Literacy: Choice of Topics](#) ECOTS BOF Handout 5/26
95. Schild, Milo (2022c) [Statistical Literacy: Seven Simple Questions for Policymakers](#) SJIAOS
96. Schild, Milo (2022d). Statistical Literacy goes beyond Quantitative Literacy. Mathfest.
97. Schild, Milo (2022e) [Statistical Literacy: Thinking Critically about Confounding](#). Critical Thinking.
98. Schild, Milo (2022f) [Statistical Literacy: Thinking Critically about Statistics](#). Critical Thinking Conf.
99. Schild, Milo (2022g) [Statistical Literacy: Math1300: Year 1 at UNM](#). ASA JSM.
100. Schild, Milo (2022h) [Disparate Impact versus Systemic Discrimination](#) ICOTS Invited Argentina.

Papers in boxes were invited or peer-reviewed and published in journals, magazines or books. See [www.StatLit.org/Schield-Pubs.htm](http://www.StatLit.org/Schield-Pubs.htm) for a listing of these papers organized by topic.

1. Schield, Milo (1994). Schield, Milo (1994), Random Sampling versus Representative Samples, *1994 American Statistical Association Proceedings of Section on Statistical Education*, pp. 107-110. See [www.StatLit.org/pdf/1994SchieldASA.pdf](http://www.StatLit.org/pdf/1994SchieldASA.pdf).
2. Schield, Milo (1995a). Sampling Distributions of Statistics using Minitab. Research. [www.statlit.org/pdf/1995-Schield-Sampling-Distributions.pdf](http://www.statlit.org/pdf/1995-Schield-Sampling-Distributions.pdf)
3. Schield, Milo (1995b). Statistics (Inference) Goals. Research. Copy at [www.statlit.org/pdf/1995-Schield-Statistics-Goals.pdf](http://www.statlit.org/pdf/1995-Schield-Statistics-Goals.pdf)
4. Schield, Milo (1995c). Correlation, Determination and Causation in Introductory Statistics, *1995 American Statistical Association Proceedings of Section on Statistical Education*, pp. 189-194. See [www.StatLit.org/pdf/1995SchieldASA.pdf](http://www.StatLit.org/pdf/1995SchieldASA.pdf).
5. Schield, Milo (1996a). The Goal of Introductory Statistics: Reasoning About Data. Making Statistics More Effective in Schools & Business, Anchorage. [www.StatLit.org/pdf/1996Schield-MSMESB.pdf](http://www.StatLit.org/pdf/1996Schield-MSMESB.pdf).
6. Schield, Milo (1996b). Using Bayesian Inference in Classical Hypothesis Testing, *1996 American Statistical Association Proceedings of Section on Statistical Education*, pp. 274-279. See [www.StatLit.org/pdf/1996SchieldASA.pdf](http://www.StatLit.org/pdf/1996SchieldASA.pdf).
7. Schield, Milo (1997a). Median Overlap. [www.statlit.org/pdf/1997-Schield-Median-Overlap.pdf](http://www.statlit.org/pdf/1997-Schield-Median-Overlap.pdf)
8. Schield, Milo (1997b). Statistical Literacy: A Quantitative Literacy Proposal. Augsburg College. See [www.StatLit.org/pdf/1997-Schield-Statistical-Literacy-Proposal.pdf](http://www.StatLit.org/pdf/1997-Schield-Statistical-Literacy-Proposal.pdf)
9. Schield, Milo (1997c). Interpreting Statistical Confidence, *1997 American Statistical Association Proceedings of Section on Statistical Education*, pp. 137-142. See [www.StatLit.org/pdf/1997SchieldASA.pdf](http://www.StatLit.org/pdf/1997SchieldASA.pdf).
10. Schield, Milo (1998a). Using Bayesian Strength of Belief to Teach Classical Statistics, 1998 International Conference on Teaching Statistics (ICOTS-5) Singapore. See [www.StatLit.org/pdf/1998-Schield-ICOTS.pdf](http://www.StatLit.org/pdf/1998-Schield-ICOTS.pdf).
11. Schield, Milo (1998b). Evidential Statistics, *1998 Making Statistics More Effective in Schools of Business*. See [www.StatLit.org/pdf/1998-Schield-MSMESB.pdf](http://www.StatLit.org/pdf/1998-Schield-MSMESB.pdf).
12. Schield, Milo (1998c). Statistical Literacy and Evidential Statistics, *1998 American Statistical Association Proceedings of Section on Statistical Education*, pp. 187-192. See [www.StatLit.org/pdf/1998SchieldASA.pdf](http://www.StatLit.org/pdf/1998SchieldASA.pdf).
13. Schield, Milo (1999a). Statistical Literacy: Thinking Critically About Statistics, 1999 APDU *Of Significance*. Vol. 1, No 1. P. 15-20. See [www.StatLit.org/pdf/1999SchieldAPDU.pdf](http://www.StatLit.org/pdf/1999SchieldAPDU.pdf).
14. Schield, Milo (1999b). Common Errors in Forming Arithmetic Comparisons, 1999 APDU *Of Significance*, pp. 47-48. See [www.StatLit.org/pdf/1999SchieldAPDU2.pdf](http://www.StatLit.org/pdf/1999SchieldAPDU2.pdf).
15. Schield, Milo (1999c). ASA Ethics Committee Guidelines: Comments & Recommendations. JSM. See [www.StatLit.org/pdf/1999-Schield-Ethics-Committee.pdf](http://www.StatLit.org/pdf/1999-Schield-Ethics-Committee.pdf)
16. Schield, Milo (1999c). Simpson's Paradox and Cornfield's Conditions, *1999 American Statistical Association Proceedings of Section on Statistical Education*, pp. 106-111. See [www.StatLit.org/pdf/1999SchieldASA.pdf](http://www.StatLit.org/pdf/1999SchieldASA.pdf).

17. Schield, Milo (2000a). *Statistical Literacy and Mathematical Thinking*. International Conference on Mathematics Education (ICME-9) Tokyo. See [www.StatLit.org/pdf/2000SchieldICME.pdf](http://www.StatLit.org/pdf/2000SchieldICME.pdf).
18. Schield, Milo (2000b). Statistical Literacy: Difficulties in Describing and Comparing Rates and Percentages. *2000 American Statistical Association Proceedings of Section on Statistical Education*, pp. 76-81. See [www.StatLit.org/pdf/2000SchieldASA.pdf](http://www.StatLit.org/pdf/2000SchieldASA.pdf).
19. Schield, Milo (2001a). Describing Rates and Percentages in Tables. Handout, 2001 Business of Communications conference. See [www.StatLit.org/pdf/2001SchieldBusOfComm.pdf](http://www.StatLit.org/pdf/2001SchieldBusOfComm.pdf).
20. Schield, Milo (2001b). Statistical Literacy: Reading Tables of Rates and Percentages, *2001 American Statistical Association Proceedings of Section on Statistical Education*, [No pages numbers given]. See [www.StatLit.org/pdf/2001SchieldASA.pdf](http://www.StatLit.org/pdf/2001SchieldASA.pdf).
21. Schield, Milo (2002). Three Kinds of Statistical Literacy, International Conference on Teaching Statistics (ICOTS-6). South Africa See [www.StatLit.org/pdf/2002SchieldICOTS.pdf](http://www.StatLit.org/pdf/2002SchieldICOTS.pdf)
22. Schield, Milo and Thomas Burnham (2002). Algebraic Relations between Relative Risk, Phi and Measures of Necessity and Sufficiency in 2x2 Tables. *2002 American Statistical Association Proceedings of Section on Statistical Education*. [CD-ROM], 3089 - 3094. See [www.StatLit.org/pdf/2002SchieldBurnhamASA.pdf](http://www.StatLit.org/pdf/2002SchieldBurnhamASA.pdf)
23. Schield, Milo (2003). Statistical Literacy: Seeing How Statistical Significance is Contextual. Technical Report, Czech Republic. Copy at [www.StatLit.org/pdf/2003-Schield-Tech-Report.pdf](http://www.StatLit.org/pdf/2003-Schield-Tech-Report.pdf)
24. Schield, Milo and Thomas Burnham (2003). Confounder-induced Spuriousity and Reversal: Algebraic Conditions for Binary Data Using a Non-Interactive Model. *2003 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM], 3690 - 3697. See [www.StatLit.org/pdf/2003SchieldBurnhamASA.pdf](http://www.StatLit.org/pdf/2003SchieldBurnhamASA.pdf)
25. Schield, Milo and Thomas Burnham (2004). Confounder Resistance and Confounder Intervals for a Binary Confounder. *2004 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM], 2781 - 2788. See [www.StatLit.org/pdf/2004SchieldBurnhamASA.pdf](http://www.StatLit.org/pdf/2004SchieldBurnhamASA.pdf).
26. Schield, Milo (2004a). Statistical Literacy and Liberal Education at Augsburg College. *Peer Review*, Sept. 2004, 7-14. American Association of Colleges and Universities (AACU). See [www.StatLit.org/pdf/2004SchieldAACU.pdf](http://www.StatLit.org/pdf/2004SchieldAACU.pdf)
27. Schield, Milo (2004b). *Statistical Literacy Curriculum Design*. IASE Curricular Development in Statistics Education Roundtable, pp. 54-74. Sweden. See [www.StatLit.org/pdf/2004SchieldIASE.pdf](http://www.StatLit.org/pdf/2004SchieldIASE.pdf) or [www.stat.auckland.ac.nz/~iase/publications/rt04/2.4\\_Schield.pdf](http://www.stat.auckland.ac.nz/~iase/publications/rt04/2.4_Schield.pdf)
28. Schield, Milo (2004c). *Three Graphs to Promote Statistical Literacy*. International Conference on Mathematics Education (ICME-10) Copenhagen. See [www.StatLit.org/pdf/2004SchieldICME.pdf](http://www.StatLit.org/pdf/2004SchieldICME.pdf).
29. Terwilliger, Jim and Milo Schield (2004). *Frequency of Simpson's Paradox in NAEP Data*. Presented at the American Educational Research Association. See [www.StatLit.org/pdf/2004TerwilligerSchieldAERA.pdf](http://www.StatLit.org/pdf/2004TerwilligerSchieldAERA.pdf).
30. Burnham, Tom and Milo Schield (2005). An Online Grammar-parsing Program That Decodes Ordinary English Descriptions and Comparisons of Percentages and Rates. *2005 American Statistical Association Proceedings of the Section on Statistical Education*, [CD-ROM], 2202-2208. See [www.StatLit.org/pdf/2005BurnhamSchieldASA.pdf](http://www.StatLit.org/pdf/2005BurnhamSchieldASA.pdf).
31. Schield, Milo (2005a). Information Literacy, Statistical Literacy and Data Literacy. *IQ (IASSIST Quarterly)*, 7-14. See [www.statlit.org/pdf/2004-Schield-IASSIST.pdf](http://www.statlit.org/pdf/2004-Schield-IASSIST.pdf) dated 2004; published in 2005.

32. Schield, Milo (2005b). Statistical Literacy: An Evangelical Calling for Statistical Educators, 2005 ISI Sydney. See [www.StatLit.org/pdf/2005SchieldISI.pdf](http://www.StatLit.org/pdf/2005SchieldISI.pdf)
33. Schield, Milo (2005c). *Statistical Prevarication: Telling Half Truths Using Statistics*. 2005 International Assoc. of Statistical Educators (IASE). Invited paper, Sydney. At [www.StatLit.org/pdf/2005SchieldIASE.pdf](http://www.StatLit.org/pdf/2005SchieldIASE.pdf)
34. Schield, Milo (2005d). Statistical Literacy and Chance. *2005 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM] 2302-2310. See [www.StatLit.org/pdf/2005SchieldASA.pdf](http://www.StatLit.org/pdf/2005SchieldASA.pdf)
35. Schield, Milo (2005e). Quantity Words Without Numbers: Why Students use "Many", 2005 QR Conference at Carleton College. See [www.StatLit.org/pdf/2005SchieldCarleton.pdf](http://www.StatLit.org/pdf/2005SchieldCarleton.pdf)
36. Schield, Milo and Thomas Burnham (2006). *Binary Confounders as Mathematical Objects: Confounder Influence and Confounder Intervals*. MAA (Draft). See [www.StatLit.org/pdf/2006SchieldBurnhamMAA.pdf](http://www.StatLit.org/pdf/2006SchieldBurnhamMAA.pdf)
37. Burnham, Thomas and Milo Schield (2006). Introduction to an Online Ratio Statement Validator, 2006 IASSIST Workshop. See [www.StatLit.org/pdf/2006BurnhamSchieldIASSIST.pdf](http://www.StatLit.org/pdf/2006BurnhamSchieldIASSIST.pdf)
38. Schield, Milo (2006a). Statistical Literacy Workshop Using a web-based Learning Object, 2006 IASSIST Workshop, Michigan: See [www.StatLit.org/pdf/2006SchieldIASSISTworkshop.pdf](http://www.StatLit.org/pdf/2006SchieldIASSISTworkshop.pdf)
39. Schield, Milo (2006b). Statistical Literacy Survey Results, 2006 IASSIST. See [www.StatLit.org/pdf/2006SchieldIASSIST.pdf](http://www.StatLit.org/pdf/2006SchieldIASSIST.pdf)
40. Schield, Milo (2006c). *Statistical Literacy Survey Analysis: Reading Tables and Graphs of Rates and Percentages*. International Conference on Teaching Statistics (ICOTS-7) Brazil. At [www.StatLit.org/pdf/2006SchieldICOTS.pdf](http://www.StatLit.org/pdf/2006SchieldICOTS.pdf)
41. Schield, Milo (2006d). Percentage Graphs in USA Today Snapshots Online, *2006 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM] 2364-2371. See [www.StatLit.org/pdf/2006SchieldASA.pdf](http://www.StatLit.org/pdf/2006SchieldASA.pdf)
42. Schield, Milo (2006e). Understanding Confounding from Lurking Variables using Graphs. *STATS Magazine*, American Statistical Association. Fall 2006. pp. 14-18. See [www.StatLit.org/pdf/2006SchieldSTATS.pdf](http://www.StatLit.org/pdf/2006SchieldSTATS.pdf)
43. Schield, Milo (2007a). Teaching the Social Construction of Statistics. 2007 Midwest Sociological Society, Chicago. See [www.StatLit.org/pdf/2007SchieldMSS.pdf](http://www.StatLit.org/pdf/2007SchieldMSS.pdf)
44. Schield, Milo (2007b). Statistical Literacy: Factual Assessment to Support Hypothetical Thinking, 2007 IASE, Guimarães, Portugal. [www.StatLit.org/pdf/2007SchieldIASE.pdf](http://www.StatLit.org/pdf/2007SchieldIASE.pdf)
45. Schield, Milo and Cynthia Schield (2007). Numbers in the News: A Survey, *2007 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM] 2243-2250. See [www.StatLit.org/pdf/2007SchieldASA.pdf](http://www.StatLit.org/pdf/2007SchieldASA.pdf)
46. Schield, Milo and Thomas Burnham (2007). Grammar of Statements Involving "Chance", *2007 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM] pp. 2235-2242. See [www.StatLit.org/pdf/2007SchieldBurnhamASA.pdf](http://www.StatLit.org/pdf/2007SchieldBurnhamASA.pdf)
47. Schield, Milo (2008a). Analyzing Numbers in the News: A Critical-Thinking Structured Approach, *2008 National Numeracy Network Conference*. See [www.StatLit.org/pdf/2008SchieldNNN.pdf](http://www.StatLit.org/pdf/2008SchieldNNN.pdf)

48. Schield, Milo (2008b). Quantitative Literacy and School Mathematics: Percentages and Fractions, *Calculation vs. Context: Quantitative Literacy And Its Implications for Teacher Education*. Edited by Bernard L. Madison and Lynn Arthur Steen. 2008 Mathematical Association of America. P. 87-107. See [www.statlit.org/pdf/2008SchieldMAA.pdf](http://www.statlit.org/pdf/2008SchieldMAA.pdf) or [www.maa.org/QI/cvc/cvc-087-107.pdf](http://www.maa.org/QI/cvc/cvc-087-107.pdf)
49. Schield, Milo (2008c). Statistical Literacy Skills Survey. Project Kaleidoscope and Project Quirk. See [www.StatLit.org/pdf/2008SchieldPKAL.pdf](http://www.StatLit.org/pdf/2008SchieldPKAL.pdf)
50. Raymond, Robert and Milo Schield (2008). Numbers in the News: A Survey, *2008 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM] P. 2848-2855. See [www.StatLit.org/pdf/2008RaymondSchieldASA.pdf](http://www.StatLit.org/pdf/2008RaymondSchieldASA.pdf)
51. Schield, Milo and Thomas V.V. Burnham (2008). Von Mises' Frequentist Approach to Probability, *2008 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM] P. 2187-2194. See [www.StatLit.org/pdf/2008SchieldBurnhamASA.pdf](http://www.StatLit.org/pdf/2008SchieldBurnhamASA.pdf)
52. Schield, Milo and Cynthia Schield (2008). Student Attitudes toward Statistics at Augsburg College. *2008 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM] P. 2150-2155. See [www.StatLit.org/pdf/2008SchieldASA.pdf](http://www.StatLit.org/pdf/2008SchieldASA.pdf)
53. Schield, Milo (2009a). Numeracy: Assessing Basic Skills and Knowledge. 2009 Joint Mathematical Meeting of the Mathematical Association of America (MAA). See [www.StatLit.org/pdf/2009SchieldMAA.pdf](http://www.StatLit.org/pdf/2009SchieldMAA.pdf)
54. Schield, Milo (2009b). Confound Those Speculative Statistics. *2009 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM] P. 4255-4266. See [www.StatLit.org/pdf/2009SchieldASA.pdf](http://www.StatLit.org/pdf/2009SchieldASA.pdf)
55. Schield, Milo and Robert Raymond (2009). Distinguishing Association from Causation in Media Headlines. *2009 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM] P. 4371-4385. See [www.StatLit.org/pdf/2009SchieldRaymondASA.pdf](http://www.StatLit.org/pdf/2009SchieldRaymondASA.pdf)
56. Schield, Milo (2010a). Quantitative Graduation Requirements at US Four-Year Colleges. MAA JMM. See [www.StatLit.org/pdf/2010SchieldJMM.pdf](http://www.StatLit.org/pdf/2010SchieldJMM.pdf)
57. Schield, Milo (2010b). Assessing Statistical Literacy: TAKE CARE in *Assessment Methods in Statistical Education: An International Perspective*. Edited by P. Bidgood, N. Hunt and F. Joliffe. Wiley, Ch. 11, p. 133-152. [www.statlit.org/pdf/2010SchieldExcerptsAssessingStatisticalLiteracy.pdf](http://www.statlit.org/pdf/2010SchieldExcerptsAssessingStatisticalLiteracy.pdf)
58. Schield, Milo (2010c) Association-Causation Problems in News Stories. International Conference on Teaching Statistics (ICOTS-8) Ljubljana, Slovenia. [www.StatLit.org/pdf/2010SchieldICOTS.pdf](http://www.StatLit.org/pdf/2010SchieldICOTS.pdf)
59. Schield, Milo (2010d). The Social Construction of Ranks. *2010 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM] P. 1016-1030. See [www.StatLit.org/pdf/2010SchieldASA.pdf](http://www.StatLit.org/pdf/2010SchieldASA.pdf)
60. Schield, Milo (2011a) Teaching Statistical Literacy using Odyssey2Sense™: a Unique Web-Based Forum. The Mathematical Association of America. See [www.StatLit.org/pdf/2011SchieldMAA.pdf](http://www.StatLit.org/pdf/2011SchieldMAA.pdf)
61. Schield, Milo (2011b) Discussion of "Towards more accessible conceptions of statistical inference" by Wild, Pfannkuch, Regan and Horton. Copy at [www.StatLit.org/pdf/2011-Schield-JRSS-Discussion.pdf](http://www.StatLit.org/pdf/2011-Schield-JRSS-Discussion.pdf)
62. Schield, Milo (2011b). Statistical Literacy: A New Mission for Data Producers. *Statistical Journal of the International Association of Official Statistics*. 27 (2011) 173–183. Edited by N. Davies and J. Ridgway. DOI 10.3233/SJI-2011-0732 See [www.StatLit.org/pdf/2011SchieldSJAOS.pdf](http://www.StatLit.org/pdf/2011SchieldSJAOS.pdf)



63. Schield, Milo (2011c) Describing Arithmetic Relations Using Informal Grammar. *2011 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM] P. 911-925. See [www.StatLit.org/pdf/2011SchieldASA.pdf](http://www.StatLit.org/pdf/2011SchieldASA.pdf)
64. Schield, Milo (2011d). All Statistics are Socially Constructed. The International Association of Statistical Educators (IASE). Malahide, Ireland. See [www.StatLit.org/pdf/2011SchieldIASE.pdf](http://www.StatLit.org/pdf/2011SchieldIASE.pdf)
65. Schield, Milo (2011e). Epidemiological Models and Spotty Statistics. The International Statistical Institute (ISI) Dublin. See [www.StatLit.org/pdf/2011SchieldISI.pdf](http://www.StatLit.org/pdf/2011SchieldISI.pdf)
66. Schield, Milo (2011f). Teaching Teachers Statistical Literacy Online. National Numeracy Network conference, Appalachian State College Conference. See [www.StatLit.org/pdf/2011SchieldNNN.pdf](http://www.StatLit.org/pdf/2011SchieldNNN.pdf)
67. Schield, Milo (2012a). Coincidence in Runs and Clusters. Mathematical Association of American Conference. See [www.StatLit.org/pdf/2012Schield-MAA.pdf](http://www.StatLit.org/pdf/2012Schield-MAA.pdf)
68. Schield, Milo (2012b). How Causal Heterogeneity Influences Statistical Significance in Clinical Trials. ASA Proceedings of the Section on Statistical Education. [CD-ROM] P. 2637-2645. See [www.StatLit.org/pdf/2012Schield-ASA.pdf](http://www.StatLit.org/pdf/2012Schield-ASA.pdf)
69. Schield, Milo (2013a). Reinventing Business Statistics: Statistical Literacy for Managers. MBAA 2013 Chicago. See [www.StatLit.org/pdf/2013-Schield-MBAA.pdf](http://www.StatLit.org/pdf/2013-Schield-MBAA.pdf)
70. Schield, Milo (2013b). Statistics Education: Steadfast or Stubborn? *ASA Proceedings of the Section on Statistical Education*. P. 1005-1017. See [www.StatLit.org/pdf/2013-Schield-ASA.pdf](http://www.StatLit.org/pdf/2013-Schield-ASA.pdf)
71. Schield, Milo (2014a). Two Big Ideas for Teaching Big Data: Coincidence and Confounding. ECOTS invited webinar. Copy at [www.StatLit.org/pdf/2014-Schield-ECOTS.pdf](http://www.StatLit.org/pdf/2014-Schield-ECOTS.pdf)
72. Schield, Milo (2014b). Odyssey: A Journey to Lifelong Statistical Literacy. International Conference on Teaching Statistics (ICOTS-9). Flagstaff, AZ. See [www.StatLit.org/pdf/2014-Schield-ICOTS.pdf](http://www.StatLit.org/pdf/2014-Schield-ICOTS.pdf)
73. Schield, Milo (2015a). What is Wrong with THE Introductory Statistics Course? USCOTS invited presentation. Copy at [www.StatLit.org/pdf/2015-Schield-USCOTS.pdf](http://www.StatLit.org/pdf/2015-Schield-USCOTS.pdf)
74. Schield, Milo (2015b). Statistical Inference for Managers. *ASA Proceedings of the Section on Statistical Education*. P. 3032-3046. Copy at [www.StatLit.org/pdf/2015-Schield-ASA.pdf](http://www.StatLit.org/pdf/2015-Schield-ASA.pdf)
75. Schield, Milo (2016a). Stat 102: Social Statistics for Decision Makers. *Proceedings of the Roundtable Conference of the International Association of Statistics Education (IASE)*, J. Engel (Ed.). Copy at [www.StatLit.org/pdf/2016-Schield-IASE.pdf](http://www.StatLit.org/pdf/2016-Schield-IASE.pdf)
76. Schield, Milo (2016b) Augsburg Students Evaluations of STAT 102. ASA JSM Proceedings Section on Statistical Education, p. 3741-3750. Copy at [www.StatLit.org/pdf/2016-Schield-ASA.pdf](http://www.StatLit.org/pdf/2016-Schield-ASA.pdf)
77. Schield, Milo (2017a). GAISE 2016 Promotes Statistical Literacy. Invited Essay. *Statistics Education Research Journal*, 16(1), 50-54. Copy at [www.StatLit.org/pdf/2017-Schield-SERJ.pdf](http://www.StatLit.org/pdf/2017-Schield-SERJ.pdf)
78. Schield, Milo (2017b) Teaching Logistic Regression using Ordinary Least Squares in Excel. ASA Proceedings Statistical Education. P. 2963-2987. Copy at [www.StatLit.org/pdf/2017-Schield-ASA.pdf](http://www.StatLit.org/pdf/2017-Schield-ASA.pdf)
79. Schield, Milo (2018a) Confounding and Cornfield: Back to the Future. International Conference on Teaching Statistics (ICOTS 10). Copy at [www.StatLit.org/pdf/2018-Schield-ICOTS.pdf](http://www.StatLit.org/pdf/2018-Schield-ICOTS.pdf)
80. Schield, Milo (2018b) Statistical Literacy and the Lognormal Distribution. ASA Proceedings of the Section on Statistical Education. P. 1965-1984. At [www.StatLit.org/pdf/2018-Schield-ASA.pdf](http://www.StatLit.org/pdf/2018-Schield-ASA.pdf)
81. Schield, Milo (2019) Statistical Literacy: A Study in Confounding. ASA Proceedings of the Section on Statistical Education. P. 2945-2974. Copy at [www.StatLit.org/pdf/2019-Schield-ASA.pdf](http://www.StatLit.org/pdf/2019-Schield-ASA.pdf)

82. Schield, Milo (2020a) Controlling for Context by Standardizing. Electronic Conference on Teaching Statistics (ECOTS). Copy at [www.statlit.org/pdf/2020-Schield-ECOTS.pdf](http://www.statlit.org/pdf/2020-Schield-ECOTS.pdf)
83. Schield, Milo (2020b) Comments on Burrill's IASE paper. IASE Roundtable July 10. Copy at [www.statlit.org/pdf/2020-Schield-IASE-Burrill.pdf](http://www.statlit.org/pdf/2020-Schield-IASE-Burrill.pdf)
84. Schield, Milo (2020c) Statistical Literacy: Scanlan's Paradox. ASA Proceedings of the International Statistical Institute. P. 1583-1611. Copy at [www.StatLit.org/pdf/2020-Schield-ASA.pdf](http://www.StatLit.org/pdf/2020-Schield-ASA.pdf)
85. Schield, Milo (2020d) Call for Research on Using Ordinary English to Describe and Compare Ratios. Research Proposal. [www.statlit.org/pdf/2020-Schield-Call-Research-English-Grammar-Ratios.pdf](http://www.statlit.org/pdf/2020-Schield-Call-Research-English-Grammar-Ratios.pdf)
86. Schield, Milo (2021a) Statistical Literacy: Teaching Confounding. USCOTS Invited Workshop. 6/26. [www.statlit.org/pdf/2021-Schield-USCOTS.pdf](http://www.statlit.org/pdf/2021-Schield-USCOTS.pdf)
87. Schield, Milo (2021b). Statistical Literacy for Policymakers. ISI Invited session online. 7/16. [www.statlit.org/pdf/2021-Schield-ISI.pdf](http://www.statlit.org/pdf/2021-Schield-ISI.pdf)
88. Schield, Milo (2021c). Statistical Literacy: The Diabolical Denominator. Mathfest. Online 8/04 [www.statlit.org/pdf/2021-Schield-MathFest.pdf](http://www.statlit.org/pdf/2021-Schield-MathFest.pdf)
89. Schield, Milo (2021d). Statistical Literacy approved for General Education at UNM. *American Statistical Association 2021 Proceedings of the Section on Statistics and Data Education*. P. 1192-1222. 8/11. Copy at [www.StatLit.org/pdf/2021-Schield-ASA.pdf](http://www.StatLit.org/pdf/2021-Schield-ASA.pdf)
90. Schield, Milo (2021e). Simpson's Paradox and Covid Deaths. ASA JSM Birds of a Feather Online 8/12. Copy at [www.StatLit.org/pdf/2021-Schield-ASA-BOF.pdf](http://www.StatLit.org/pdf/2021-Schield-ASA-BOF.pdf)
91. Schield, Milo (2021f). Offering Statistical Literacy: Administrators, Departments and Teachers. Copy at [www.statlit.org/pdf/2021-Schield-Offering-Statistical-Literacy.pdf](http://www.statlit.org/pdf/2021-Schield-Offering-Statistical-Literacy.pdf).
92. Isaacson, Marc and Milo Schield (2021). *Facts on File: Guide to Data Literacy*. InfoBase Publishing. <https://www.infobasepublishing.com/Bookdetail.aspx?ISBN=9781646938773&Ebooks=1>
93. Schield, Milo (2022a). Introducing Statistical Literacy: A Lesson Plan. ECOTS Activity 5/24. Copy at [www.StatLit.org/pdf/2022-Schield-ECOTS-Lesson-Plan.pdf](http://www.StatLit.org/pdf/2022-Schield-ECOTS-Lesson-Plan.pdf)
94. Schield, Milo (2022b). Teaching Statistical Literacy: Choice of Topics. ECOTS Birds of Feather Handout 5/26. Copy at [www.StatLit.org/pdf/2022-Schield-ECOTS-BOF-Handout.pdf](http://www.StatLit.org/pdf/2022-Schield-ECOTS-BOF-Handout.pdf). One page.
95. Schield, Milo (2022c). Statistical Literacy: Seven Simple Questions for Policymakers. Special Stream on "Statistical and Data Literacy in Policy-Making". *Statistical Journal of the International Association for Official Statistics (SJIAOS)*. 38 (2022) 471-475. DOI 10.3233/SJI-220957. ISI Press. 6/12. Copy at [www.StatLit.org/pdf/2022-Schield-SJIAOS.pdf](http://www.StatLit.org/pdf/2022-Schield-SJIAOS.pdf).
96. Schield, Milo (2022d). Statistical Literacy goes beyond Quantitative Literacy. Mathfest.
97. Schield, Milo (2022e) Statistical Literacy: Thinking Critically about Confounding. 2022 Conference on Critical Thinking. Copy at [www.StatLit.org/pdf/2022-Schield-CCT.pdf](http://www.StatLit.org/pdf/2022-Schield-CCT.pdf)
98. Schield, Milo (2022f) Statistical Literacy: Thinking Critically about Statistics. 2022 Conference on Critical Thinking. Copy at [www.StatLit.org/pdf/2022-Schield-CCT2.pdf](http://www.StatLit.org/pdf/2022-Schield-CCT2.pdf)
99. Schield, Milo (2022g). Statistical Literacy Math1300 Year 1 at UNM. *JSM 2022 Section on Statistics and Data Education*. P. 2035-2065. Copy at [www.StatLit.org/pdf/2022-Schield-ASA.pdf](http://www.StatLit.org/pdf/2022-Schield-ASA.pdf)
100. Schield, M. (2022h). Association vs. Causation; Disparity vs. Discrimination. Inter. Conference on Teaching Statistics. DOI: 10.52041/iase.icots11.T1E2. [www.statlit.org/pdf/2022-Schield-ICOTS.pdf](http://www.statlit.org/pdf/2022-Schield-ICOTS.pdf)

**BOOKS:**

- Schield, Milo (2005-2022). *Statistical Literacy: Seeing the Story Behind the Statistics*.  
See [www.StatLit.org/Schield.htm](http://www.StatLit.org/Schield.htm)
- Isaacson, Marc and Milo Schield (2021). *The Facts on File: Guide to Data Literacy*. Published by Infobase.

**SLIDES, POSTERS or INSTRUCTIONS:****Statistical Literacy: Talks without a paper. By Schield alone unless otherwise noted.**

- 2022 Hurricane Ian: NHC Cone Advisories. Slides 10/2022
- 2022 Poverty Data by Race and Family Structure (Graphs since 1966) Slides 9/2022
- 2021 Ambiguity of Phi in Excel. One-page spreadsheet. 6/2021
- 2020 Covid19 Infections, Cases and Deaths. Slides. 11/21.
- 2020 Create PDF with Word 2013 using Adobe Distiller (Slides internal). Slides 9/9/20 PPTX
- 2020 PowerPoint: Create Audio and Video. Slides. 8/8/2020 PPTX [not enough space]
- 2020 Edit/Convert Zoom Recording Using AVS software. One-page instructions 8/1/2020
- 2020 Google drive: Share Content. Slides 4/2020
- 2020 ResearchGate: Replace paper. One-page instructions. 3/20/2020
- 2020 Coronavirus Covid-19: An Explanatory Model. Slides 7/19/2020.
- 2020 Coronavirus Covid-19: An Analysis. Slides 3/8/2020.
- 2019 NNN Annual Meeting: What is Numeracy? Statistical Literacy: An Introduction (10/13) Slides
- 2019 NNN Workshop at Palomar Community College. Statistical Literacy: An Introduction (9/20-21) Slides
- 2019 Univ. New Mexico: Teaching Confounder-Based Statistical Literacy (6/19) Slides
- 2019 USCOTS Workshop All. Ch 1, 2, 3, 4 and 13. 5/16 Teaching Confounding Roundtable.
- 2019 Gender Pay Gap: Uncontrolled vs. Controlled. April 4, MIS 264 PDF DOC
- 2018 Infant Mortality Rate: A National Embarrassment? Critical Thinking Club 12/5/2018. Slides PPTX
- 2018 Increasing Disparity: The Scanlan Effect. Critical Thinking Club Dec 5 2018. Augsburg U. Slides PPTX
- 2018 Why Voter Polls are Often Wrong. Twin Cities Critical Thinking Club Dec 2, 2018. Slides PPTX
- 2018 Increasing Disparities: The Scanlan Effect. National Numeracy Network 10/2018. Michigan State. Slides
- 2018 Data Literacy. The Gartner Conference. Dallas Texas March 2018. Slides 1D
- 2017 IQ and Gender. Cynthia and Milo Schield. Critical Thinking Club (CTC). Slides
- 2017 The Grammar of Quantitatively-Based Relations. Schield 11/17 NNN Barnard College. Slides
- 2017 Levels of Numeracy: How Much Critical Thinking. Schield Nov 2017 NNN Barnard College. Slides
- 2017 Down' Syndrome: By Birth Order and Mom's Age. 3/20/2017. Slides PPTX XLSX
- 2016 Why Election Polls Are Often Wrong Slides. CTC 12/4/2016. Why Clinton Lost (Trump Won)  
Slides, Exit Poll Data. Calculate Chance of Winning. Dec. 6, 2016.
- 2015 What's Wrong with Into Statistics? StatChat 10/27/2015 PPTX Gaise Update
- 2015 Hot Hand: Better than Chance. Univ. of St. Thomas. Fall 2015. Slides PPTX
- 2015 Comments on Cobb and De Veaux at USCOTS. USCOTS 2015 1up 6up PPTX
- 2015 Making Connections. Comments by Milo Schield. USCOTS 2015. Slides
- 2015 Critical Thinking: Past, Present and Future. Slides CTC 4/15. Averroes (~1170) vs Al-Ghazali (~1100)
- 2015 Augsburg's Above-Average Value-Added Education. To Augsburg Faculty 2/17/15. Food for Thought Slides
- 2015 Teaching for Transfer in Statistics Classrooms. Mathew D. Beckman, 2/24/15 StatChat, Macalester Slides.
- 2015 Statistically-Significant Shortcuts. 2/24/2015 Statchat. Macalester, St. Paul. Slides PPTX
- 2014 Business Analytics vs. Data Science. Nov 2014 DSI-MSMESB Tampa, FL. Invited Talk Slides. PPTX
- 2014 Big Data and Coincidence. Oct 2014 NNN-1 invited workshop at Carleton College. Slides.
- 2014 Explore Log-Normal Distribution of Incomes. Oct 2014 NNN Carleton C. Slides, Spreadsheet PDF PPT
- 2014 Create Distributions Empirically using Excel. Oct 2014 NNN, Carleton College. Slides PPT
- 2014 Statistically-Significant Correlations. Oct 2014 NNN-4 Invited Workshop at Carleton College. Slides PPT
- 2014 Segmented Linear Regression. By 2014 NNN-5 Invited Workshop at Carleton College. Slides.
- 2014 Teaching Big Data: Panel comments. May 20 E-COTS presentation. Slides.
- 2014 Two Big Ideas in Teaching Big data. ASA Twin Cities Chapter, Augsburg College on 3/20/2014. 6up, 1up.
- 2013 Adding Context to Introductory Statistics. ASA Twin Cities Chapter, Augsburg C. 5/22/2013. 6up 1up PPT

- 2012 Victor Cohn (1919-2000): A Retrospective: ASA Twin Cities Chapter, Augsburg C. 10/15/2012. 6up
- 2012 Keene State College Workshop: 1 Statistical Literacy 6up; 2 Critical Thinking 6up; 3 Coincidence 6up; 5 Reading Tables and Graphs 6up; 6 Reading Graphs and Tables 6up; 7 Statistical Literacy and Mathematics 6up; 8 Statistical Literacy: Confounding 6up. May 15-17, 2012.
- 2012 Coincidence in Run and Clusters. 6up, 1up. StatChat. Macalester College, St. Paul., MN. 3/8/2012.
- 2012 Statistical Literacy: A Math-Stat Alternative. 6up 1up. T3Conference, Chicago 3/2/2012
- 2012 Statistical Literacy for All. 6up 1up. Statistical Literacy at Augsburg 6up 1up. Lehman C. 2/24/2012
- 2011 Social Statistics: Egypt. February Slides
- 2011 Modeling in Context: Teaching Adjustment and Confounding through Common Core Standards. Poster, Schild & Kaplan. USCOTS
- 2011 Where Do Statistics Come From? - Setting the Table for Intro Statistics. Poster, Marc Isaacson at USCOTS
- 2011 Multiple Choice: Olympic Success. USCOTS Activity 6up Marc Isaacson
- 2011 Hypothetical Thinking about Statistics: An Activity. May USCOTS 6up
- 2011 Odysseys Teach Critical Thinking. Poster, Augsburg College with Larry Copes. 5/10/2011.
- 2011 Statistical Literacy: Confounding. University of Texas, San Antonio 1/13/2011 6up Slides
- 2011 Statistical Literacy Worldwide: 2010. 1/6/2011 MAA JMM 6up
- 2010 Statistical Literacy: Confounding. University of St. Thomas 12/10/2010 6up 1up
- 2010 Quantitative Literacy Today: An Update. Carleton-PKAL conference. 10/08/2010 6up.
- 2010 Statistical Literacy at Augsburg College. Carleton-PKAL conference. 10/09/2010 6up
- 2010 Harper's Index November Slides
- 2010 Confounding UST December Slides
- 2010 Boys Adrift by Cynthia Schild CTC Sept 12, 2010 Slides
- 2009 Science Literacy Requires Statistical Literacy 11/09 SENCER Symposium 6up
- 2009 Statistical Literacy and Liberal Education 7/09 Free Minds '09 6up
- 2009 Several Radical Ideas to Help Students Interpret Introductory Statistics 6/2009 Brick & Schild USCOTS 2009
- Speculative Statistics and Public Policy. 5/2009 NNN conference Univ. Washington, Bothell 6up
- 2009 Statistical Literacy: A New On-Line Gen Ed Course for Math Teachers 2/2009 Proposal for 2009 AMATYC
- 2008 Statistical Literacy talks at Anderson University 6up and at the Univ. of Kentucky (Lexington) 6up. 10/2008
- 2008 Confounder Influence on Attributed Cases, 7/2008. MAA MathFest. Madison, WI 6up 1up
- 2008 Binary Confounders as Mathematical Objects, 7/2008. European Conference on Methodology. Oviedo Spain
- 2008 Bayes' Comparisons 1/2008 StatChat, Macalester College (St. Paul, MN) 6up 1up.
- 2007 Civic Engagement: Numbers in the News. 10/07 AACU Civic Learning at Intersections, Denver CO 6up 1up
- 2007 Quantitative Literacy Core Concepts. 10/2007 Carleton QUIRK Project 6up 1up
- 2007 Teaching Statistical Literacy. 4/2007 National Numeracy Panel, Midwest Sociological Society Chicago 6up
- 2006 Statistical Literacy: An Introduction. 8/2006 Univ. Connecticut 6up 1up
- 2006 Statistical Literacy for Majors without Math Requirements. 3/2006 Univ. Wisconsin QL Conference 6up 1up
- 2006 Mathematics of Association in Quantitative Literacy. 1/2006 MAA 6up
- 2005 Statistical Literacy: Errors Reading Graphs. 12/2005 Kansas City Actuarial Club 6up
- 2005 Statistical Literacy and Critical Thinking, 7/2005 TOC Summer Seminar at Union College 6up
- 2005 Statistical Literacy and Epidemiological Reasoning, 7/2005 TOC Summer Seminar at Union College 1up 6up
- 2005 Quantitative Literacy: Core Concepts, 6/2005 MAA QL Workshop at Macalester College 6up 1Up Notes
- 2003 Statistical Literacy Survey, 5/2003 IASSIST Conference. 1up 6up
- 2003 Statistical Literacy at Augsburg, March 2003 Project Status. 1up, 6up
- 2002 Proposed Survey of Business Statistics Teachers, 8/2002 MSMESB 6up 1up
- 2001 Student Difficulties Reading Tables of Ratios. 12/2001 US Bureau of Census 6up
- 2001 Statistical Literacy: How Does It Relate to Q/L? PKAL Snowbird UT 7/01. Abstract, 6up, 1up
- 2001 Effectiveness of Statistics in Schools of Business. 6/2001 MSMESB Troy NY 1up
- 2001 The Grenada Conjectures: The Future of Statistical Education. U. of Grenada Jan 18, 2001. 1up 6up
- 2000 Teaching Conditional Thinking Using Ratios. Western Conference Teaching Statistics (WCTS1) 3/00 Notes
- 2000 Teaching Statistics Using Relevant Data. Western Conference on Teaching Statistics (WCTS1) 3/2000 6up
- 2000 Grammar of Statistics: Rates, Percentages and Risk. 3/2000 Augsburg College 6up
- 2000 Statistical Literacy: Numbers as Information. Wendy Treadwell UMn 2/2000 6up
- 1999 Statistical Literacy: Standards for Content. 11/1999 AMATYC 6up
- 1999 Statistical Literacy: Reading Rates and Percents. 10/1999 APDU 6up

**WEBSITE:**

Schild, Milo (2003-present). *Statistical Literacy Website*: Schild is the editor, webmaster and owner of the world's largest website dedicated exclusively to statistical literacy. He selects all the materials and has authored a yearly StatLit News: a compendium of grants, books, articles and activities related to Statistical Literacy. See [www.statlit.org/1StatLitNews.htm](http://www.statlit.org/1StatLitNews.htm). In 2018, this website had more than 185,000 page views (from 75 pages), 330,000 visits and 440,000 downloads (from 1,205 papers, 81 Excel-related items and 396 slideshows).

**WORKSHOPS:**

Schild, Milo (2000). Teaching Conditional Thinking Using Ratios at the Western Statistics Teachers Conference in Colorado. Copy at [www.StatLit.org/pdf/2000Schild-WSTC1-Notes.pdf](http://www.StatLit.org/pdf/2000Schild-WSTC1-Notes.pdf)

**STATISTICS-RELATED RESEARCH PAPERS**

Schild, Milo (1996). Review of *The Evolution With Age of Probabilistic, Intuitively Based, Misconceptions* by Efraim Fischbein and Ditzsa Schnarch. Presented at RSS Centre for Statistical Education, Nottingham. See [www.StatLit.org/pdf/1996-Schild-Review-Fischbein-Schnarch.pdf](http://www.StatLit.org/pdf/1996-Schild-Review-Fischbein-Schnarch.pdf)

Schild, Milo (1997). Philosophical Issues in Statistical Inference. Augsburg Philosophy Colloquium. See [www.StatLit.org/pdf/1997Schild-Augsburg.pdf](http://www.StatLit.org/pdf/1997Schild-Augsburg.pdf)

Schild, Milo (1997). Median Overlap, Misclassification and R-square. Technical Paper. See [www.StatLit.org/pdf/1997-Schild-Median-Overlap.pdf](http://www.StatLit.org/pdf/1997-Schild-Median-Overlap.pdf)

Schild, Milo (1997). Statistical Literacy, QR and QL. Technical/Background Paper. See [www.StatLit.org/pdf/1997-Schild-Statistical-Literacy-QR-QL.pdf](http://www.StatLit.org/pdf/1997-Schild-Statistical-Literacy-QR-QL.pdf)

Schild, Milo (1999). Notes on Tufte's Presentation. Copy at [www.StatLit.org/pdf/1999-Tufte-presentation-Notes-by-Schild.pdf](http://www.StatLit.org/pdf/1999-Tufte-presentation-Notes-by-Schild.pdf)

Schild, Milo (1999). ASA Ethics Committee Guidelines: Comments & Recommendations. JSM. Copy at [www.StatLit.org/pdf/1999-Schild-ASA-Ethics-Committee.pdf](http://www.StatLit.org/pdf/1999-Schild-ASA-Ethics-Committee.pdf)

Schild, Milo (2015). Statistical Literacy Roundtable Summary. USCOTS Roundtable. Organized and chaired by Milo Schild. [www.statlit.org/pdf/2015-USCOTS-Statistical-Literacy-Roundtable.pdf](http://www.statlit.org/pdf/2015-USCOTS-Statistical-Literacy-Roundtable.pdf)

Schild, Milo (2015). Prevalence of Statistical Words and Phrases in the Harvard Case Studies. Technical paper. Copy at [www.statlit.org/pdf/2015-Schild-HBR-Statistical-Words.pdf](http://www.statlit.org/pdf/2015-Schild-HBR-Statistical-Words.pdf)

**VIDEOS:**

Schiold, Milo (2022). Statistical Literacy: Seven Simple Questions for Policymakers. IASE webinar video (9 minutes). Copy at [www.statlit.org/v/2022-Schiold-IASE.mp4](http://www.statlit.org/v/2022-Schiold-IASE.mp4)

Schiold, Milo (2022). Statistical Literacy: Critical Thinking about Confounding. (25 minutes). See <https://drive.google.com/file/d/1RCu7ZC81IWdQGR4RpU0LhWbuFN0ggx4/view?usp=sharing>

Schiold, Milo (2022). Statistical Literacy: Critical Thinking about Statistics. (25 minutes). See [https://drive.google.com/file/d/14QFCPm\\_WijQUZiU7IN9iCuYptVAwOHs3/view?usp=sharing](https://drive.google.com/file/d/14QFCPm_WijQUZiU7IN9iCuYptVAwOHs3/view?usp=sharing)

Schiold, Milo (2021). Statistical Literacy Approved for General Education at U. New Mexico. USCOTS See <http://www.statlit.org/V/2021-Schiold-ASA-Slides.mp4> and <http://www.statlit.org/V/2021-Schiold-ASA-Slides-Speed.mp4>

Schiold, Milo (2021). Statistical Literacy: The Diabolical Denominator. Mathfest. Copy at <http://www.statlit.org/V/2021-Schiold-MathFest-Slides.mp4>

Schiold, Milo (2020). Controlling for Context by Standardizing. ECOTS (5 minutes). Copy at <http://www.statlit.org/V/2020-Schiold-eCOTS-Slides.mp4>

Schiold, Milo (2015). Statisticians: Making our World a Better Place. USCOTS video (4.5 minutes). See [www.statlit.org/swf/2015-Schiold-USCOTS-AIDS.mp4](http://www.statlit.org/swf/2015-Schiold-USCOTS-AIDS.mp4)

Schiold, Milo (2012). Coincidence in Runs and Clusters. E-COTS web-based video presentation. See [www.statlit.org/swf/2012Schiold-Coincidence.swf](http://www.statlit.org/swf/2012Schiold-Coincidence.swf)

**AUDIO:**

Schiold, Milo (2014). Two Big Ideas for Teaching Big Data: Coincidence and Confounding. ECOTS invited webinar (26 minutes). At <https://www.causeweb.org/ecots/ecots14/35/>

Schiold, Milo and Marc Isaacson (2012). "A second statistics course is needed. What should it be?" ECOTS. At <https://www.causeweb.org/ecots/ecots12/breakouts/7/>

**EXCEL DEMONSTRATION WORKSHEETS**

1. Schiold, Milo (2010). Excel Demo of Marilyn vos Savant's Monty-Hall Three-Door problem. Demo at [www.statlit.org/Excel/2010-Schiold3Door-Demo.xls](http://www.statlit.org/Excel/2010-Schiold3Door-Demo.xls)
2. Schiold, Milo (2010). Excel Demo of Marilyn vos Savant's Four-Envelope problem. Excel demo at [www.statlit.org/Excel/2010Schiold4EnvelopeDemoSavant.xls](http://www.statlit.org/Excel/2010Schiold4EnvelopeDemoSavant.xls)
3. Schiold, Milo (2012). Excel Demo of the longest run in flips of a fair coin. Demo worksheet at [www.statlit.org/Excel/2012Schiold-Runs.xls](http://www.statlit.org/Excel/2012Schiold-Runs.xls)
4. Schiold, Milo (2012). Excel Demo of unlikely patterns in a two-dimensional grid with 1 chance in 100 grains of rice. Demo worksheet at [www.statlit.org/Excel/2012Schiold-Rice.xls](http://www.statlit.org/Excel/2012Schiold-Rice.xls)
5. Schiold, Milo (2012). Excel Demo of von Mises Birthday problem. Demo worksheet at [www.statlit.org/Excel/2012Schiold-Bday.xls](http://www.statlit.org/Excel/2012Schiold-Bday.xls)
6. Schiold, Milo (2016). Excel Demo of the relationship between sample means and medians when sampling from a uniform or a Normal distribution. Demo worksheet at [www.statlit.org/Excel/2016-Schiold-Mean-Median=Compare-1.xlsx](http://www.statlit.org/Excel/2016-Schiold-Mean-Median=Compare-1.xlsx)

**POLICY PROPOSALS, GRANT APPLICATIONS AND MISC.**

1. Schiold, Milo (1999). ASA Ethical Guidelines: Comments and Recommendations. ASA Committee on Professional Guidelines. See [www.statlit.org/pdf/1999-Schiold-ASA-Ethics-Committee.pdf](http://www.statlit.org/pdf/1999-Schiold-ASA-Ethics-Committee.pdf)
2. Schiold, Milo (2000). Application for the ASA/NSF/BLS/Census Bureau Fellowship Program. [www.StatLit.org/pdf/2000SchioldCensusASA.pdf](http://www.StatLit.org/pdf/2000SchioldCensusASA.pdf)
3. Schiold, Milo (2000). Initial 2001 Grant Proposal to the W. M. Keck Foundation. [www.StatLit.org/pdf/2000-Schiold-Keck-Proposal1.pdf](http://www.StatLit.org/pdf/2000-Schiold-Keck-Proposal1.pdf)
4. Schiold, Milo (2001). Revised 2001 Grant Proposal to the W. M. Keck Foundation. [www.StatLit.org/pdf/2001-Schiold-Keck-Proposal2a.pdf](http://www.StatLit.org/pdf/2001-Schiold-Keck-Proposal2a.pdf) and [2001-Schiold-Keck-Proposal2b.pdf](http://www.StatLit.org/pdf/2001-Schiold-Keck-Proposal2b.pdf)
5. Schiold, Milo (2006). NSF Grant Proposal: Developing a Statistical Literacy Turnkey Training System. 2006 NSF. Copy at [www.statlit.org/pdf/2006-Schiold-NSF.pdf](http://www.statlit.org/pdf/2006-Schiold-NSF.pdf)
6. Schiold, Milo (2014a). PKAL-TIDES Grant Proposal. [www.statlit.org/pdf/2014-Schiold-PKAL.pdf](http://www.statlit.org/pdf/2014-Schiold-PKAL.pdf) or at [www.StatLit.org/pdf/2014-Schiold-PKAL-TIDES-Proposal.pdf](http://www.StatLit.org/pdf/2014-Schiold-PKAL-TIDES-Proposal.pdf)
7. Schiold, Milo (2014b). NSF IUSE Grant Proposal. At [www.statlit.org/pdf/2014-Schiold-NSF.pdf](http://www.statlit.org/pdf/2014-Schiold-NSF.pdf) Cover page at [www.StatLit.org/pdf/2014-Schiold-NSF-IUSE-Proposal.pdf](http://www.StatLit.org/pdf/2014-Schiold-NSF-IUSE-Proposal.pdf)
8. Schiold, Milo (2015a). USCOTS 2015 Lifetime Achievement Award Nomination Packet. [www.statlit.org/pdf/2015-USCOTS-Schiold-Lifetime-Nomination-Packet.pdf](http://www.statlit.org/pdf/2015-USCOTS-Schiold-Lifetime-Nomination-Packet.pdf)
9. Schiold, Milo (2015b). Nomination for the ASA-Pearl 2015 Causality Award. [www.statlit.org/pdf/2015-Schiold-Pearl-Causality-Award-Submission.pdf](http://www.statlit.org/pdf/2015-Schiold-Pearl-Causality-Award-Submission.pdf)
10. Schiold, Milo (2015c). Wiley Textbook proposal: Practical Statistics for Professionals. [www.statlit.org/pdf/2015-Schiold-Wiley-Book-Proposal.pdf](http://www.statlit.org/pdf/2015-Schiold-Wiley-Book-Proposal.pdf)
11. Schiold, Milo (2019). Honda grant proposal via UNM (11/15) Unsuccessful
12. Schiold, Milo (2020). Honda grant proposal via Augsburg College (3/1) Unsuccessful
13. Schiold, Milo (2020). NAS/NSF Idea Proposal. [www.statlit.org/pdf/2020-Schiold-NSF.pdf](http://www.statlit.org/pdf/2020-Schiold-NSF.pdf) (7/15)

**SUMMARIZE DATA IN CHARTS AND TABLES:**

- XL1A: Use nominal frequency data to create pie & bar charts. [Output](#) [Slides](#) [Input](#)
- XL1B: Use nominal pivot-table data to create pie & bar charts: [Output](#) [Input](#)
- XL1C: Create time-based line graphs. Linear and Log display. [Output](#) [Slides](#) [Input](#)
- XL1D: Create six different two-way Pivot tables. [Demo](#) [Output](#). [Slides](#) [Data](#) [Input](#).

**MODEL DATA USING EXCEL** [Pulse dataset](#)

- XL2A Chart Trendline: Linear 1Y1X (3 graphs) [Slides](#)
- XL2B Chart Trendline: Non-Linear 1Y1X (7 graphs) [Slides](#)
- XL2C Chart Trendline: Linear 2Y1X (4 graphs) [Slides](#)
- XL2D Chart Trendline: Linear 3factor 1Y1X (Pivot table, 2 graphs) [Slides](#)
- XL3A: Toolpak Regression: Linear (5 graphs) 2 predictors. QQB: [Output](#) [Slides](#) [Input](#)
- XL4B: Logistic Regression 1Y1X (Schild OLS nudged). [Demo](#) [Slides](#) [Input](#)
- XL4C: Logistic Regression 1Y2X (Schild OLS nudged). [Demo](#) [Slides](#) [Input](#)

**CREATE DISCRETE DISTRIBUTIONS USING EXCEL:**

- XL4A: Create Binomial, Hyper geometric and Poisson. [Output](#) [Slides](#) [Input](#)

**CREATE LOG-NORMAL DISTRIBUTIONS (GIVEN MEAN AND MEDIAN):**

- XL5A: Create distribution of Subjects: [Output](#). [Slides](#) [Data](#) [Input](#)
- XL5B: Create distribution of Subjects & Incomes: [Output](#). [Slides](#) [Data](#) [Input](#)

**CREATE HISTOGRAMS AND SAMPLING DISTRIBUTIONS USING EXCEL:**

- XL3B: Use Toolpak HISTOGRAM command. [Output](#) [Slides](#) [Input](#)
- XL3C: Use COUNTIF and FREQUENCY functions. [Output](#) [Slides](#) [Input](#)

**CREATE HISTOGRAMS AND SAMPLING DISTRIBUTIONS USING EXCEL:**

- Create sampling distributions for a single die using COUNTIF in Excel 2013 (n=4, 16, 25, 50, 200). Step-by-step demo: Excel 2008 [lup](#) [6up](#) and [PPT](#). [Results](#). [Data](#) (xlsx)

**CREATE AND COMPARE CONFIDENCE INTERVALS USING EXCEL:**

- Create Confidence Intervals using Excel 2010. [6up](#), [lup](#).
  - Compare Z and T Statistics using Excel 2003. [pdf](#)
  - Compare Confidence Functions using Excel 2010: [pdf](#), [xlsx](#).
- Compare Two Confidence Intervals Excel 2010. [pdf](#), [xlsx](#)
- Display Paired Confidence Intervals using Excel. [Template](#) (xls). Demo: [6up](#), [lup](#).

**CREATE HYPOTHESIS TESTS USING EXCEL:**

[Isaacson data set](#) (240 rows, 8 columns).

- Hypothesis test for a single Population: **Z-Test function**. Excel 2008 demo: [6up](#), [lup](#).
- Hypothesis tests for two populations: **T-Test function**. Excel 2008 demo: [6up](#), [lup](#).
- Hypothesis tests for two populations: **T-Test command**. Excel 2013 demo [6up](#), [lup](#).
- [Statistically-significant correlations as a function of sample size: A Simple Model](#) (xls).



**SPACE PHYSICS PAPERS:**

1. M. Schiold (1968). The Configuration of Geomagnetic Field Lines above the Auroral Zones, Copy at [www.StatLit.org/pdf/1968-Milo-Schiold-PhD-Dissertation-Rice.pdf](http://www.StatLit.org/pdf/1968-Milo-Schiold-PhD-Dissertation-Rice.pdf)
2. M. Schiold (1969). Pressure Balance between Solar Wind and Magnetosphere [Preview] *Journal of Geophysical Research*, 74, 5, doi:10.1029/JA074i005p01275, 1969 Copy at [www.StatLit.org/pdf/1969-Schiold-JGR.pdf](http://www.StatLit.org/pdf/1969-Schiold-JGR.pdf)
3. M. Schiold (1969). Correction to Paper by Milo A. Schiold, 'Pressure Balance between Solar Wind and Magnetosphere' *Journal of Geophysical Research*, 74, 21, doi:10.1029/JA074i021p05189, 1969 Copy at [www.StatLit.org/pdf/1969-Schiold-JGR2.pdf](http://www.StatLit.org/pdf/1969-Schiold-JGR2.pdf)
4. Schiold, M. A.; Freeman, J. W.; Dessler, A. J., (1969) "A Source for Field-Aligned Currents at Auroral Latitudes" *Journal of Geophysical Research*, Vol 74,1. p.247 doi:10.1029/JA074i001p00247 Copy at [www.StatLit.org/pdf/1969-Schiold-Freeman-Dessler-JGR.pdf](http://www.StatLit.org/pdf/1969-Schiold-Freeman-Dessler-JGR.pdf)
5. M. Schiold and L. Frank (1970). Electron Observations between the Inner Edge of the Plasma Sheet and the Plasmasphere. [Preview] *Journal of Geophysical Research*, 75, 28, doi:10.1029/JA075i028p05401, 1970 Copy at [www.StatLit.org/pdf/1970-Schiold-Frank-JGR.pdf](http://www.StatLit.org/pdf/1970-Schiold-Frank-JGR.pdf)
6. M. Schiold (1970). Drift of Charged Particles in a Simple Geometric Field. University of Iowa conference paper.

**PHILOSOPHY AND SCIENCE PAPERS:**

1. Schiold (1991). Summary of the 1954 *Handbook of Logic* by Roland Houde and Jerome Fisher. See [www.StatLit.org/pdf/1991-Schiold-Summary-1954-Houde-Fisher-Handbook-of-Logic.pdf](http://www.StatLit.org/pdf/1991-Schiold-Summary-1954-Houde-Fisher-Handbook-of-Logic.pdf)
2. Schiold (1993a). Condensed version of Lewis Carroll's *Symbolic Logic* (1896). See [www.StatLit.org/pdf/1993-Schiold-Summary-1896-Carroll-Symbolic-Logic.pdf](http://www.StatLit.org/pdf/1993-Schiold-Summary-1896-Carroll-Symbolic-Logic.pdf)
3. Schiold (1993b). An Analysis of Consciousness. Augsburg Philosophy Colloquium. Copy at [www.StatLit.org/pdf/1993-Schiold-Philosophy-Consciousness.pdf](http://www.StatLit.org/pdf/1993-Schiold-Philosophy-Consciousness.pdf)
4. Schiold, Milo (2004). Resolving Three Key Problems in the Humanities. *The International Journal of the Humanities*. Vol. 2, Num. 3. P. 2375-2385. See [www.StatLit.org/pdf/2004SchioldNDIH.pdf](http://www.StatLit.org/pdf/2004SchioldNDIH.pdf)
5. Schiold, Milo (2005). Making Science a Core Liberal Art for the 21st Century. Project Kaleidoscope. See [www.StatLit.org/pdf/2005SchioldPKAL.pdf](http://www.StatLit.org/pdf/2005SchioldPKAL.pdf).
6. Schiold, Milo (2009). Promoting Objectivity in Science and Ethics. FreeMinds 09. See [www.StatLit.org/pdf/2009SchioldFreeMinds.pdf](http://www.StatLit.org/pdf/2009SchioldFreeMinds.pdf)

**Papers shown in boxes were invited or refereed and published in journals, magazines or books.**

# Milo Schield: CV

## DR. MILO A. SCHIELD

### Synergistic Activities:

He is a fellow of the American Statistical Association, the US Coordinator of the International Statistical Literacy project (ISLP), an elected member of the International Statistical Institute (ISI), the Past-President of the National Numeracy Network (NNN), and the editor and webmaster of [www.StatLit.org](http://www.StatLit.org). Dr. Schield was the Director of the W. M. Keck Statistical Literacy project – a project “to develop statistical literacy as an interdisciplinary curriculum in the liberal arts.”

He was a tenured professor in Business Administration at Augsburg College and chair of that department. He has a Ph.D. in theoretical Space Physics from Rice University. He has been a consultant with the University of New Mexico in implementing his statistical literacy course. His textbook (Statistical Literacy: Critical thinking about Everyday Statistics) is being published by Kendall Hunt.

He has taught traditional statistics at the undergraduate level for over 20 years; he has taught critical thinking at the undergraduate level for 10 years and at the graduate level for two; he has taught statistical literacy for over 20 years.

SESSIONS AT CONFERENCES: Dr. Schield has organized 17 sessions on statistical literacy at national meetings of the American Statistical Association. Speakers have included Dr. Donald Rubin (Harvard), Dr. Joel Best, author of *Damned Lies and Statistics*, Joe Abramson, author of *Making Sense of Data*, Nicholas Eberstadt, author of *The Tyranny of Numbers*, Jessica Utts, author of *Seeing Through Statistics*, Robyn Dawes, author of *Everyday Irrationality*, Vic Cohen, author of *News and Numbers*, Tom Wonnacott, author of numerous statistics textbooks and Jane Miller, author of *The Chicago Guide to Writing about Numbers*. He also organized a session on Observational Studies and Multivariate Thinking at the International Statistical Institute (ISI) conference in Lisbon (Dr. Donald Rubin, Sir David Cox and Nanny Wermuth).

TALKS: He has given 100 papers (over 150 talks) on statistical literacy in 17 countries on six continents. In the US, he gave the keynote address at a conference sponsored by Project Kaleidoscope (PKAL). He has given talks at Making Statistics More Effective in Schools of Business (MSMESB), the Association of Public Data Users (APDU), the Mathematical Association of America (MAA), the American Mathematics Association of Two Year Colleges (AMATYC), the International Association of Social Science Information Services and Technology (IASSIST) and the US Department of the Census and the Bureau of Labor Statistics. Internationally, he has given talks at ICOTS (Singapore, South Africa, Brazil and Slovenia), ICME (Tokyo and Copenhagen), ISI/ISE (Australia, Portugal and Ireland), and IASE (Sweden, Portugal and Ireland). He has given invited talks in China, England, Scotland and Wales.

RECOGNITION: In his book, *More Damned Lies and Statistics*, author Joel Best noted the many problems facing this movement and said, “*Despite these obstacles, a small educational movement advocating statistical literacy has emerged. Professor Milo Schield, Director of the W. M. Keck Statistical Literacy Project at Augsburg College in Minneapolis, is the movement’s leading voice.*” Schield's papers have earned over 1,000 citations as of 12/2022.

### Professional Preparation:

Iowa State University	Physics major; economics minor	B.S.
University of Illinois	Physics major	M.S.
Rice University	Space Physics	Ph.D.

### Academic Appointments:

University of New Mexico	Department of Mathematics & Statistics	2019-Now
Augsburg College	Department of Business Administration	1985-2022